

Airport and Aviation Security



Current Threats, Challenges, Opportunities





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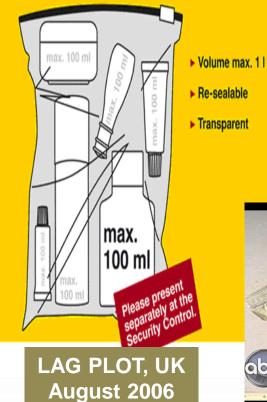
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THREE FORMATIVE EVENTS IN AVSEC, AFTER 9/11

New regulations for hand luggage

There are restrictions on liquids which can be taken into the cabin on flights originating within the EU





Abdulmutallab December 25, 2009

esent Wannol UK Obc NEWS

Richard Reid

December 21, 2001

Fuse protruding from shoe near tongue

Detonator



THREATS TO AVIATION & AIRPORTS

- Infiltration of IEDs exploiting weaknesses in airline / airport security
- Infiltration of terrorists by circumvention of the vetting process and increased insider threat
- Threat to landside areas, terminals, crowds
- Unconventional modes of operation: PEDs, LAGs, Drones, Powders...
- Home-grown terrorism, returning Jihadists, (self-) radicalized individuals
- Extreme political right wing or left wing
- Environmentalism and other individual issues













TERRORISM SITUATION & TRENDS, 2017



- The Jihadist terrorism threat in Europe remains high. The Islamic
 State (IS) and al-Qaeda possess the intent, capability and resources to carry out terrorist attacks in Europe.
- > Attacks: planned, spontaneous, relatively complex, multiple simultaneous targets
- Arsenal: vehicles, rifles, bladed weapons, IED
 IEDs and IIDs consisting of readily available products
- Targets: individuals, crowds; hard targets, soft targets
 Targets with international character for attracting worldwide media attention
- Attackers: foreign, local, citizens
 Organized cells or lone wolves
 Increasing number of jihadi returnees strengthens European cells
 Increasing operational role for women, young adults, and children
- Migration from conflict zones will continue; IS exploits the flow of refugees Recruitment of Muslim immigrants in Europe by IS
- Right-wing extremists, anarchists, left-wing extremists
 Probability of attacks on refugees and ethnic minorities
 © ICTS Europe 2018 Sources: (1) Europol, TE-SAT 2017; (2) Europol, Changes in MO of ISIL, 02.12.2016



- Integration of new security systems and technologies impact on recruitment, training, work force structure
- Improvement of passenger experience, customer service, while maintaining highest security levels.
- > The human factor in a changing and demanding work environment and society
- Insider threat mitigation
- Staff training and development: new concepts and methods
- High fluctuation of security and of airport staff
- Work conditions of security staff
- > Maintenance of alertness, awareness, emergency preparedness









Avsec Focus, Outlook & Opportunities

- High terrorism alert levels in all European countries. Civil aviation, airports and flights to the US are targets of terrorism.
- Intelligence enhanced gathering and sharing
- Legislation and regulation
- Upgrade of checkpoint processes and equipment
- Technological advances: body scanners, Smart CCTV, ETD, biometrics;
- Data-driven security, use of passenger information (PNR)
- Canine security (cargo)
- Enhanced airside and landside security
- The Human Factor in security: crowd- and behavior observation; Interviewing, passenger differentiation and cognitive engagement methods
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The FUTURE?

Risk-based differentiation (data)

